



# Flour Milling Products

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## Highlights

**First Quarter 2018**, January through March, contained 90 days.

**Second Quarter 2018**, April through June, contained 91 days.

**All wheat** ground for flour during the second quarter 2018 was 227 million bushels, down slightly from the first quarter 2018 grind of 227 million bushels but up 1 percent from the second quarter 2017 grind of 224 million bushels. Second quarter 2018 total flour production was 105 million hundredweight, down slightly from the first quarter 2018 but up 1 percent from the second quarter 2017. Whole wheat flour production at 5.39 million hundredweight during the second quarter 2018 accounted for 5 percent of the total flour production. Millfeed production from wheat in the second quarter 2018 was 1.59 million tons. The daily 24-hour milling capacity of wheat flour during the second quarter 2018 was 1.64 million hundredweight.

**Durum wheat** ground for flour and semolina production during the second quarter of 2018 totaled 15.8 million bushels, down 8 percent from the first quarter 2018 and down 2 percent from the second quarter 2017. Second quarter 2018 durum flour and semolina production was 7.62 million hundredweight, down 7 percent from the first quarter 2018 and down 1 percent from the second quarter 2017. Whole wheat durum flour and semolina production was 130 thousand hundredweight, down 27 percent from 179 thousand hundredweight in the first quarter 2018 but up 4 percent from 125 thousand hundredweight from the second quarter 2017. Second quarter durum wheat millfeed production was 107 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 123 thousand hundredweight.

**Rye** ground for flour during the second quarter of 2018 was 471 thousand bushels, down 1 percent from the first quarter 2018 but up 6 percent from the second quarter 2017. Rye flour production during the second quarter of 2018 was 225 thousand hundredweight, compared to 234 thousand hundredweight in the previous quarter and 215 thousand hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9.79 thousand hundredweight for the second quarter 2018.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
April 2018 - June 2018 with Comparisons**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
California			
April 2017 - June 2017 .....	16,237	7,642	120,671
January 2018 - March 2018 .....	16,753	7,834	122,171
April 2018 - June 2018 .....	16,968	7,918	122,171
Colorado and Oklahoma			
April 2017 - June 2017 .....	7,136	3,486	59,280
January 2018 - March 2018 .....	6,190	3,043	59,280
April 2018 - June 2018 .....	6,367	3,087	59,280
Florida, Georgia, and South Carolina			
April 2017 - June 2017 .....	9,754	4,530	64,000
January 2018 - March 2018 .....	9,795	4,485	64,000
April 2018 - June 2018 .....	9,396	4,374	64,000
Idaho, Montana, Oregon, Utah, and Washington			
April 2017 - June 2017 .....	16,434	7,976	131,540
January 2018 - March 2018 .....	16,685	7,806	133,787
April 2018 - June 2018 .....	17,057	7,957	133,787
Illinois, Indiana, and Wisconsin			
April 2017 - June 2017 .....	21,013	9,949	142,252
January 2018 - March 2018 .....	21,985	10,566	146,252
April 2018 - June 2018 .....	21,733	10,291	146,252
Iowa and Nebraska			
April 2017 - June 2017 .....	8,273	3,785	57,676
January 2018 - March 2018 .....	8,216	3,684	56,744
April 2018 - June 2018 .....	7,746	3,605	56,744
Kansas			
April 2017 - June 2017 .....	14,243	6,638	116,032
January 2018 - March 2018 .....	14,780	6,838	117,132
April 2018 - June 2018 .....	14,829	6,836	117,132
Kentucky and Tennessee			
April 2017 - June 2017 .....	8,494	3,886	52,650
January 2018 - March 2018 .....	8,424	3,926	52,650
April 2018 - June 2018 .....	8,601	3,974	52,650
Maryland and Virginia			
April 2017 - June 2017 .....	6,870	3,092	52,192
January 2018 - March 2018 .....	7,007	3,185	55,192
April 2018 - June 2018 .....	6,472	3,061	55,192
Michigan			
April 2017 - June 2017 .....	5,988	2,699	39,200
January 2018 - March 2018 .....	6,358	2,904	39,700
April 2018 - June 2018 .....	6,394	2,919	39,700
Minnesota			
April 2017 - June 2017 .....	14,711	6,834	115,120
January 2018 - March 2018 .....	14,664	6,772	120,120
April 2018 - June 2018 .....	14,350	6,600	120,220
Missouri			
April 2017 - June 2017 .....	12,052	5,476	88,185
January 2018 - March 2018 .....	13,011	5,968	84,800
April 2018 - June 2018 .....	12,082	5,558	84,800
New Jersey and New York			
April 2017 - June 2017 .....	13,877	6,568	102,150
January 2018 - March 2018 .....	13,339	6,310	102,150
April 2018 - June 2018 .....	13,373	6,271	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
April 2018 - June 2018 with Comparisons (continued)**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
North Carolina			
April 2017 - June 2017.....	8,061	3,653	61,496
January 2018 - March 2018 .....	7,905	3,567	61,496
April 2018 - June 2018.....	8,255	3,741	61,496
North Dakota			
April 2017 - June 2017.....	13,199	6,022	92,500
January 2018 - March 2018 .....	14,080	6,599	92,500
April 2018 - June 2018.....	13,909	6,496	93,500
Ohio			
April 2017 - June 2017.....	13,299	5,930	86,700
January 2018 - March 2018 .....	14,041	6,162	92,900
April 2018 - June 2018.....	13,627	6,027	92,900
Pennsylvania			
April 2017 - June 2017.....	12,137	5,627	90,400
January 2018 - March 2018 .....	11,855	5,557	90,200
April 2018 - June 2018.....	12,552	5,904	90,200
Texas			
April 2017 - June 2017.....	11,993	5,530	77,250
January 2018 - March 2018 .....	11,742	5,506	80,750
April 2018 - June 2018.....	12,308	5,682	80,750
Other States <sup>1</sup>			
April 2017 - June 2017.....	10,716	5,145	70,307
January 2018 - March 2018 .....	10,317	4,900	69,807
April 2018 - June 2018.....	10,608	5,002	69,807
United States			
April 2017 - June 2017.....	224,487	104,468	1,619,601
January 2018 - March 2018 .....	227,147	105,612	1,641,631
April 2018 - June 2018.....	226,627	105,303	1,642,731

<sup>1</sup> Alabama, Arkansas, Arizona, Hawaii, Massachusetts, Maine, and Louisiana combined to avoid disclosing individual operations.

## Flour Milling Production, and Capacity – United States: April 2018 - June 2018 with Comparisons

Item	April - June 2017	January - March 2018	April - June 2018
<b>All wheat</b>			
Wheat ground for flour ..... 1,000 bushels	224,487	227,147	226,627
Flour production ..... 1,000 cwt	104,468	105,612	105,303
Whole wheat flour production ..... 1,000 cwt	5,350	5,711	5,386
Millfeed production ..... tons	1,578,569	1,606,569	1,594,864
Daily 24-hour capacity ..... cwt	1,619,601	1,641,631	1,642,731
<b>Wheat, excluding durum</b>			
Wheat ground for flour ..... 1,000 bushels	208,490	210,033	210,870
Flour production ..... 1,000 cwt	96,812	97,456	97,686
Whole wheat production ..... 1,000 cwt	5,225	5,532	5,256
Millfeed production ..... tons	1,467,375	1,488,631	1,487,812
Daily 24-hour capacity ..... cwt	1,492,554	1,518,401	1,519,401
<b>Wheat, durum</b>			
Wheat ground for flour and semolina ..... 1,000 bushels	15,997	17,114	15,757
Durum flour and semolina production ..... 1,000 cwt	7,656	8,156	7,617
Whole wheat durum flour and semolina production ..... 1,000 cwt	125	179	130
Millfeed production ..... tons	111,194	117,938	107,052
Daily 24-hour capacity ..... cwt	127,047	123,230	123,330
<b>Rye</b>			
Rye ground for flour ..... 1,000 bushels	443	476	471
Flour production ..... 1,000 cwt	215	234	225
Millfeed production ..... tons	(D)	(D)	1,189
Daily 24-hour capacity ..... cwt	9,385	9,385	9,785

(D) Withheld to avoid disclosing data for individual operations.

## Statistical Methodology

**Survey Procedures:** *Flour Milling Products* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Data are collected from all known mills that produce wheat or rye flour.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of wheat or rye flour production in 2014. The operation profile also documented the manner in which the firm will report. A firm headquarters can report for all milling locations or each location can report separately.

In the Flour Milling Products survey questionnaires, mills are asked for previous quarter data on wheat and rye ground for flour, and production of flour, whole wheat flour, and millfeed. Quarters are based on a calendar year with the following definitions: first quarter – January through March; second quarter – April through June; third quarter – July through September; fourth quarter – October through December. Mills are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

**Estimating Procedures:** Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National or Regional totals.

**Revision Policy:** Data are revised the following quarter based on late reports or corrected data. Final figures are published in the annual summary of the following year.

**Reliability:** Approximately 165 reports are received each month which represent about 99 percent of total capacity. Quarterly data can vary due to different firms reporting quarter to quarter. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

## Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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